

generator comprising:

a' amended
a stator supported on the engine side wall; and

a rotor supported on an inner face of a peripheral wall of the crank pulley so as to face an outer periphery of the stator across an air gap,

wherein an air inlet passage is formed between the engine side wall and an edge of the peripheral wall of the crank pulley so as to provide communication between the annular space and the outside of the crank pulley,

wherein cooling fan blades are provided on a side wall of the crank pulley facing away from said engine side wall, said side wall extending radially outwards from said one end of the crankshaft to the peripheral wall of the crank pulley, and

wherein air is introduced into the annular space via the air inlet passage to cool coils of the stator and the air is discharged to the outside from said cooling fan blades provided on said side wall facing away from said engine side wall by means of the cooling fan blades.

a²
4. (Amended) An outer rotor type motor / generator according to either Claim 1 or Claim 2, wherein a plurality of projections or channels inclined towards the circumferential direction are formed on the outer periphery of the stator facing the entrance and the exit of the air gap so that the air flows generated by these projections or channels prevent air from entering the air gap.